

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-11. (Canceled).

12. (Withdrawn) A base station apparatus comprising:

a modulating section that modulates packet data using an M-ary number adaptively selected based on a reporting of a selection result where a sub-carrier satisfying a predetermined condition relating to reception quality at an opposing communication apparatus is selected from a plurality of sub-carriers within a communication band;

an encoding section that encodes the packet data using an encoding rate adaptively selected based on the reporting; and

a scheduling section that identifies a sub-carrier satisfying the predetermined condition based on the reporting, and carries out scheduling so that packet data of a higher M-ary number or encoding rate to an identified sub-carrier having superior reception quality.

13. (Canceled).

14. (New) A wireless communication apparatus comprising:

a receiving section that receives information related to a number of subcarriers from a base station;

an extracting section that extracts a number of subcarriers subject to channel quality indicator (CQI) reporting from the received information; and

a transmission section that transmits a number of CQIs matching the number of subcarriers subject to the CQI reporting.

15. (New) A wireless communication method comprising:

receiving information related to a number of subcarriers from a base station;

extracting a number of subcarriers subject to channel quality indicator (CQI) reporting from the received information; and

transmitting a number of CQIs matching the number of subcarriers subject to the CQI reporting.